

# *GCEP 2002*

## *End-Of-Summer Workshop*

***August 18-21, 2002***

*A G E N D A*

***August 18, 2002 - Sunday***

### **AFTERNOON & EVENING**

12:00 - 6:00 p.m. SURE and GREF Registration

Argonne Guest House

### **INITIAL WORKING SESSION**

Argonne Guest House Restaurant

7:00 p.m. Greetings, Introductions and Objectives

Milton Constantin  
Oak Ridge Institute for Science and Education  
Jeffrey Gaffney  
Argonne National Laboratory

7:30 p.m.

***Buffet***

8:30-9:00 p.m. Keynote Address:

***Advanced Photon Source Overview***

Jeff Gaffney  
Argonne National Laboratory

9:00 p.m.

Return to Housing Facility

# ***End-Of-Summer Workshop***

*August 19, 2002- Monday*

## **MORNING**

- |                    |   |  |
|--------------------|---|--|
| 7:00 – 8:00 a.m.   | Continental Breakfast   | Conference Room A  |
| 8:00 – 8:30 a.m.   | Welcome to Argonne National Laboratory  | Jeffrey Gaffney<br>Argonne National Laboratory<br>Milt Constantin<br>Oak Ridge Institute for Science & Education |
| 8:30 – 9:00 a.m.   | <b><i>Technological Change in Agriculture in Southeastern Mexico:<br/>Implications for Land Use, Deforestation, and Climate Change<br/>Policy</i></b> | Christopher Busch<br>University of California, Berkeley  |
| 9:00 – 10:00 a.m.  | <b><i>Radiation, Air Chemistry, and Human Health</i></b>  | John Frederick<br>University of Chicago  |
| 10:00 – 10:30 a.m. | Break   |  |
| 10:30 – 11:30 a.m. | <b><i>Carbon Cycling and Sequestration Belowground</i></b>  | Roser Matamala<br>Argonne National Laboratory  |
| 11:30 – 12:00 a.m. | <b><i>A Quantitative Review of the Response of <u>Lolium perenne</u><br/>Photosynthesis to 10 Years of Free Air CO<sub>2</sub> Enrichment</i></b>     | Elizabeth Ainsworth<br>University of Illinois, Urbana-Champaign  |
| 12:00 – 1:00 p.m.  | Lunch   | On Your Own  |

# ***End-Of-Summer Workshop***

***August 19, 2002– Monday***

## **AFTERNOON**

- |                  |  |   |
|------------------|--|---|
| 1:00 – 1:30 p.m. | <b><i>Stable Boundary Layers and Pollution Transport in Complex Terrain</i></b>  | Craig Clements<br>University of British Columbia    |
| 1:30 – 2:00 p.m. | <b><i>Holocene Variability in Benguela Upwelling</i></b>   | Christina Farmer<br>Columbia University             |
| 2:00 – 2:30 p.m. | <b><i>Validation of Simulated Runoff from Six Terrestrial Ecosystem Models Using Observed Streamflow: Results from the VEMAP Phase 2 Model Intercomparison</i></b> | Wendy Gordon<br>University of Texas, Austin         |
| 2:30 – 3:00 p.m. | <b><i>Climate, Carbon and Dead Wood: A Radiocarbon Approach to Measuring Decomposition</i></b>   | Lara Kueppers<br>University of California, Berkeley |
| 3:00 – 3:30 p.m. | Break  |   |
| 3:30 – 4:00 p.m. | <b><i>Monoterpene and Sesquiterpene Emission from Ponderosa Pine: Implications for Secondary Organic Aerosol Formation</i></b>                                     | Anita Lee<br>University of California, Berkeley     |
| 4:00 – 4:30 p.m. | <b><i>Soil Carbon Storage and Dynamics in a Subtropical Savanna Ecosystem</i></b>  | Julia Liao<br>Texas A&M University                  |
| 4:30 – 5:00 p.m. | <b><i>Organic Aerosols, Hygroscopic Growth and Optical Properties</i></b>  | Cynthia Randles<br>Princeton University             |
| 5:00 p.m.        | Adjourn  |   |
|                  | Dinner   | On Your Own   |

# ***End-Of-Summer Workshop***

***August 20, 2002 - Tuesday***

## **MORNING**

- |                    |  |   |
|--------------------|--|---|
| 7:30 – 8:15 a.m.   | Continental Breakfast  | ANL Cafeteria   |
| 8:30 – 9:00 a.m.   | <b><i>Unlocking the Secrets of Climate Change Through Coral Reef Studies</i></b>   | Nancy Grumet<br>Stanford University                   |
| 9:00 – 9:30 a.m.   | <b><i>The Effects of Climatically Altered Fire Regimes on Successional Patterns and Carbon Dynamics in Yellowstone National Park</i></b> | Tania Schoennagel<br>University of Wisconsin, Madison |
| 9:30 – 10:00 a.m.  | <b><i>Solving the Continuity Equation for Tropospheric Ozone in Chicago</i></b>  | Shelby Winiecki<br>The University of Chicago          |
| 10:00 – 10:30 a.m. | Break  |   |
| 10:30 – 11:30 a.m. | <b><i>Tracking Titanic Icebergs of the Antarctic Ice Sheet: Lessons About Field Science</i></b>  | Doug MacAyeal<br>The University of Chicago            |
| 11:30 – 1:00 p.m.  | SURE Fellows Poster Set-up and Box Lunch   | Conference Room B                                     |

# ***End-Of-Summer Workshop***

***August 20, 2002 - Tuesday***

## **AFTERNOON & EVENING**

1:00 – 3:00 p.m.      Summary Overview of Individual Posters      SURE Fellows

3:00-3:30 p.m.      Break

3:30 – 5:00 p.m.      Poster Presentations – SURE      Conference Room B

Laura Alvarez-Aviles  
Nell Burger  
David Dunston  
Erin Hanlon  
Erin Hokanson  
John Iorio  
David Loehlin

Allen McBride  
Gavin McMeeking  
Nicole Miller  
Heidi Ochsner  
Sarah Reed  
Philip Valko  
Stephanie Wheeler

5:00 P.M.      Adjourn

## **FINAL WORKING SESSION**

Argonne Guest House Restaurant

6:30 – 9:00 p.m.      ***Dinner***

Keynote Address:

***Smoke Gets in Your Eyes – Some Recent Studies in Chicago!***

Jeffrey Gaffney  
Argonne National Laboratory

Closing Comments

Milton Constantin  
Oak Ridge Institute for Science & Education  
Jeffrey Gaffney  
Argonne National Laboratory

# ***End-Of-Summer Workshop***

***August 21, 2002 - Wednesday***

## **LAST DAY**

7:00 a.m.

Breakfast (on your own)

ANL Cafeteria

***DEPART FOR HOME***

**FAREWELL**

**SEE YOU AGAIN**

**SUMMER 2003**